Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/19/2016 09/19/2016	Herman Phillips

LM Start		Rating **	Α	Issue No.		9		
LM End		Issue Type +	Ма	Location *	WS			
Category Earthen Levee				GPS La	atitud	le/Longitude		
Calegory	Category					End		
Item		s & Maintenaı	nce		0		0	
item	Manuals				0		0	
DWR ID	DWR ID DWR_RD2075_01_f _ 2014_9							
		Comn	nent Cod	de				
		Inspecto	or Comm	nent				
RD 2075 h	RD 2075 has the O&M Manual on file.							

No Photos

LM Start		Rating **	Α	Issue No.		10		
LM End		Issue Type +	Ma	Location *		WS		
Category Earthen Levee			GPS Latitude/Longitude					
Category	Category			Start		End		
Item	Emergency Supplies & Equipment				0		0	
пеш					0		0	
DWR ID	DWR_RD2	075_01_f _ 201	4_10					
		Comn	nent Cod	de				
	Inspector Comment							

RD 2075 has emergency supplies stored in their building.

No Photos

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

A/W : Acceptable but Monitor & Maintain

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/19/2016 09/19/2016	Herman Phillips

LM Start		Rating **	Α	Issue No.		11		
LM End		Issue Type +	Ма	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Flood Pre	paredness &		0		0		
пеш					٥		0	
DWR ID	DWR_RD2	075_01_f _ 201	4_11					
		Comn	nent Cod	le				
		Inspecto	or Comm	ent				
RD 2075 h	as regular	training for th	eir work	crews, the	y do	n't have		

No Photos

RD 2075 has regular training for their work crews, they don't have district crew only trustees, landowners and farmers.

LM Start	0.10	Rating **	U	Issue No.	No. 12			
LM End	0.53	Issue Type +	Ma	Location *		LS		
Category	Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End		
Item	Vegetatio	n		37.7483	93°	37.742588°		
пеш				-121.2897	78°	-121.288597°		
DWR ID DWR_RD2075_01_f _ 2016_12								
	0							

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

Weeds taller than three feet on the landside slope and shoulder need to be removed.

Photo 1 of 1: FA_2016_RD2075_315_12_20160920_00025.jpg



Looking downstream from levee mile 0.10 landside slope.

LM Start	0.60	Rating **	М	Issue No.		14	
LM End	0.80	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Category				Start		End	
Item	Vegetatio	n		37.7424	98 °	37.741818	0
пеш				-121.2872	00°	-121.283605	0
DWR ID	DWR_RD2	075_01_f _ 201	6_14			•	
		C		ام			

Comment Code

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR · Crown	II · I Inaccentable	A/W · Accentable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/19/2016 09/19/2016	Herman Phillips

	Rating **	M	Issue No.		13	
0.99						
1.00	Issue Type +	Ma	Location *		LS	
Category Earthen Levee					le/Longitude	
			Start		End	
rim / Thir	n Trees		37.7400	15°	37.739830°	
			-121.281243 °		-121.281217°	
WR_RD2	075_01_f _ 201	6_13				
	Comn	nent Cod	le			
es over r	oadway to at	least 12	feet above	gro	und level.	
Inspector Comment						
r	rim / Thir WR_RD20	arthen Levee rim / Thin Trees WR_RD2075_01_f _ 201 Comn es over roadway to at	arthen Levee rim / Thin Trees WR_RD2075_01_f _ 2016_13 Comment Coces over roadway to at least 12	### Arthen Levee GPS Land	### GPS Latitud ### Start ### 37.740015 ### -121.281243 ### WR_RD2075_01_f _ 2016_13 Comment Code	

No Photos

LM Start	1.01	Rating **	U	Issue No.		15	
LM End	1.36	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS Latitude/Longitude			
Calegory				Start		End	
Item	Vegetatio	n		37.7397	92°	37.735405	0
пеш				-121.2812	20°	-121.283015	0
DWR ID	DWR_RD2	075_01_f _ 201	6_15				
		Comn	nent Cor	te .			

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Weeds taller than 5-foot on the shoulder and slope. Remove from the levee section.

Photo 1 of 1 : FA_2016_RD2075_315_15_20160920_00026.jpg



Looking downstream from the landside levee slope.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/19/2016 09/19/2016	Herman Phillips

LM Start	1.01	Rating **	U	Issue No.	e No. 16			
LM End	1.36	Issue Type +	Ма	Location *		WS		
Category	evee	GPS Latitude/Longitude						
Calegory	Calegory					End		
Item	Vegetatio	n		37.7397	62°	37.735405°		
пеш				-121.2812	27°	-121.283015°		
DWR ID	VR ID DWR_RD2075_01_f _ 2016_16							
	Comment Code							

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Weeds taller than 5-foot on the slope and shoulder. Remove the vegetation from the levee section.



RD 2075 Waterside levee slope looking downstream from levee mile 1.01.

LM Start	1.06	Rating **	М	Issue No.	No. 17		
LM End	1.06	Issue Type +	Ma	Location *	LS		
Category	evee	GPS Latitude/Longitude					
Category				Start		End	
Item	Trim / Thi	n Trees		37.7390	73°	37.739073°	
пеш				-121.2816	20°	-121.281620°	
DWR ID DWR_RD2075_01_f _ 2016_17							
Comment Code							

T4: Trim trees over roadway to at least 12 feet above ground level.

Inspector Comment

The tree limbs should not be able to touch top of vehicle as it passes under.

Page 5 of 9

Flood Control Project Maintenance Levee Inspections

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/19/2016 09/19/2016	Herman Phillips

LM Start	1.13	Rating **	U	Issue No.	18		
LM End	1.36	Issue Type +	Ма	Location *	CR		
Category	Earthen L	evee	GPS Latitude/Longitude				
Calegory				Start		End	
Item	Vegetatio	n		37.7380	38°	37.735405°	
item		-121.281702 °					
DWR ID DWR_RD2075_01_f _ 2016_18							
		_	. ^				

Comment Code
V9 : Keep the crown roadway free of vegetation.

Inspector Comment

Remove the unwanted weeds from the crown. The roadway should be free of vegetation.



Looking downstream from levee mile 1.13- 1.36.

LM Start	1.94	Rating **	M	Issue No.		19
LM End	2.31	Issue Type +	Ма	Location *		WS
Category	Earthen L		GPS Latitude/Longitude			
Calegory				Start		End
Item	Vegetatio	า		37.7357	92°	37.731365°
пеш				-121.2919	87°	-121.293700°
DWR ID	DWR_RD2	075_01_f _ 201	6_19			

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Remove the sprayed wild growth of tumbleweeds and Johnson grass from the waterside slope.

No Photos

LM Start	1.94	Rating **	М	Issue No.		20	
LM End	2.11	Issue Type +	Ma	Location *	LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory						End	
Item	Vegetatio	n		37.7357	68 °	37.734342	0
item				-121.2920	32 °	-121.294205	0
DWR ID	ID DWR_RD2075_01_f _ 2016_20						

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Remove the sprayed weeds from the land side slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/19/2016 09/19/2016	Herman Phillips

LM Start	5.20	Rating **	М	Issue No.		22			
LM End	5.57	Issue Type +	Ма	Location *		WS			
Catagony	Earthen L	evee		GPS La	atitud	e/Longitude			
Category				Start		End			
Item	Vegetatio	n		37.7288	63°	37.724760 °			
пеш				-121.2751	75°	-121.270945°			
DWR ID	DWR_RD2	075_01_f _ 201	6_22						
		Comn	nent Coc	de					
V2 : Remo slopes.	ve the wild	growth other	than na	tive grasse	s fro	m the levee			
		Inspecto	or Comm	nent					

No Photos

LM Start	5.20	Rating **	М	Issue No.		21		
LM End	5.80	Issue Type +	Ma	Location *	LS			
Category	evee	GPS La	atitud	le/Longitude				
Category				Start		End		
Item	Vegetatio	/egetation			63°	37.722035 °		
item				-121.2751	75°	-121.268760 °		
DWR ID	DWR_RD2	075_01_f _ 201	6_21					
		Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.								

Inspector Comment

No Photos

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/19/2016 09/19/2016	Herman Phillips

LM Start	5.28	Rating **	М	Issue No.		1
LM End	5.29	Issue Type + Ma L		Location *		WS
Category	Suppleme	ental	GPS Latitude/Longitude			
Calegory				Start		End
Item	DWR Ero	sion Survey		37.72793	33°	37.727933°
item				-121.27449	91 °	-121.274491 °
DWR ID						

Inspector Comment

Comment Code

07/12/2016: No significant change observed.

08/28/2015: No significant change observed. Loose material is visible at the upper levee slope. The loose soil may have been caused by runoff

08/18/2014: No significant change observed.

09/10/2013: No significant change observed.

09/13/2012: No significant change observed.

08/18/2011: No significant change observed. Some new material added to the water side levee slope, but the added material is loose and seems not helping the levee protection.

10/05/2010: No significant change observed. Levee slope has minimal vegetation and lacks rip rap protection. Sandy material found on the lower and middle slope is an undesirable material to have on a levee. 08/05/2010: Recommended for annual assessment and monitoring during flood events, per CLRO.

08/20/2009: No major change since last visit; site is located in an oxbow; slope surface consists of very sandy material; there is a tree on site leaning and with exposed tree roots; site is recommended as a local maintenance issue, per CLRO CES Evaluation 2008 Report; Eddy Cordoza from the district is aware of the site and is looking for recommendation; site is previously rated "U".

08/17/2007: Site is close to an irrigation pump inlet. [2016 Site ID:RD2075U01RM64.34]

LM Start	5.28	Rating **	М	Issue No.	1 (cont)
LM End	5.29	Issue Type +	Ma	Location *	WS

Photo 1 of 3: SJR2016_RD2075U01RM64.34_1.jpg



Upstream view of the erosion site.

Photo 2 of 3: SJR2016_RD2075U01RM64.34_3.jpg



Looking upstream at the site.

* Location
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating
A: Acceptable N: Not Inspected/Rated M: Minimally Acceptable C: Corrected Ob: Design & System Obsolescence C: Enforcement

* Rating
A: Acceptable N: Not Inspected/Rated M: Maintenance Deficiancy Ob: Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/19/2016 09/19/2016	Herman Phillips

LM Start	5.28	Rating **	М	Issue No.		1 (cont)		
LM End	5.29	Issue Type +	Ma	Location * W:		WS	WS	
Supplemental				GPS Latitude/Longitude				
Category		Start		End				
DWR Erosion Survey				37.7279	33°	37.727933	0	
пеш				-121.274491 °		-121.274491	0	
DWR ID								

Inspector Comment

Comment Code

07/12/2016: No significant change observed.

08/28/2015: No significant change observed. Loose material is visible at the upper levee slope. The loose soil may have been caused by runoff.

08/18/2014: No significant change observed.

09/10/2013: No significant change observed.

09/13/2012: No significant change observed.

08/18/2011: No significant change observed. Some new material added to the water side levee slope, but the added material is loose and seems not helping the levee protection.

10/05/2010: No significant change observed. Levee slope has minimal vegetation and lacks rip rap protection. Sandy material found on the lower and middle slope is an undesirable material to have on a levee. 08/05/2010: Recommended for annual assessment and monitoring during flood events, per CLRO.

08/20/2009: No major change since last visit; site is located in an oxbow; slope surface consists of very sandy material; there is a tree on site leaning and with exposed tree roots; site is recommended as a local maintenance issue, per CLRO CES Evaluation 2008 Report; Eddy Cordoza from the district is aware of the site and is looking for recommendation; site is previously rated "U".

08/17/2007: Site is close to an irrigation pump inlet. [2016 Site ID:RD2075U01RM64.34]



Direct view of the levee slope. Note the loose soil possibly caused by runoff.

LM Start	7.08	Rating **	Α	Issue No.	23		
LM End	7.44	Issue Type +	Ma	Location *	LS		
Earthen Levee			GPS Latitude/Longitude				
Category				Start		End	
Vegetation			37.713438°		37.710260 °		
пеш				-121.2634	90°	-121.268377 °	
DWR ID DWR_RD2075_01_f _ 2016_23							
Comment Code							

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	09/19/2016 09/19/2016	Herman Phillips

LM Start	7.10	Rating **	Α	Issue No.		24		
LM End	7.44	Issue Type +	Ма	Location *		WS		
Catagony	Earthen Levee			GPS Latitude/Longitude				
Category		Start		End				
Item	Vegetatio		37.713390°		37.710260°			
пеш				-121.263798 °		-121.268377°		
DWR ID	DWR ID DWR_RD2075_01_f _ 2016_24							
	Comment Code							
V1 : Control annual grass and weeds on the levee slopes and easements.								
		Inspecto	or Comm	nent				